

Work Order ID 81876

81876

Page 1

Tuesday, March 20, 2012 11:25:14 AM

Item ID: D3456-1 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Washer
 Start Date: 3/20/2012 Start Qty: 100.00 ***100*** Cust Item ID:
 Required Date: 3/26/2012 Req'd Qty: 100.00 ***100*** Customer:
 Reference:

Approvals: Process Plan: *[Signature]* Date: 12-03-20 Tooling: _____ Date: _____
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____
 Run Start ***NR1***
 Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3456	Rev A								

100 PURCHASING 0.00
100
 Purchasing Memo 0.00
 Purchasing Issue P/O: 14486 P/N: 91525A120 per Dwg D3456Possible
 Supplier: McMaster-CarrMaterial release note is required

12-03-20

110 Receive & Inspect for Damage & Mat'l Certs 0.00
110
 Packaging Memo 0.00
 Packaging Ensure Material Release Note is attached

12-03-22 (100)

120 QC6- Inspect dimensions to drawing 0.00
120
 QC Memo 0.00
 Quality Control

12-03-22 (100)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 81876***81876***

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Tuesday, March 20, 2012 11:25:14 AM

Item ID: D3456-1

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Washer

Start Date: 3/20/2012 Start Qty: 100.00

100

Cust Item ID:

Required Date: 3/26/2012 Req'd Qty: 100.00

100

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location: <i>544</i>	0.00							
130									
Packaging	Memo	0.00							
Packaging									
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

*SP 12-03-23**12/13/26*
MF
12-03-23

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Tuesday, March 20, 2012 11:25:18 AM

Page 1

Work Order ID: 81876

81876

Parent Item: D3456-1

D3456-1

Parent Item Name: Washer

Start Date: 3/20/2012

Required Date: 3/26/2012

Start Qty: 100.00

Required Qty: 100.00

Comments: IPP A05.10.03New issueKJ/JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
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91525A120

Purchased

No

100

Each

0.0000

1

100

91525A120

washer

**

6/12/12 (100)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

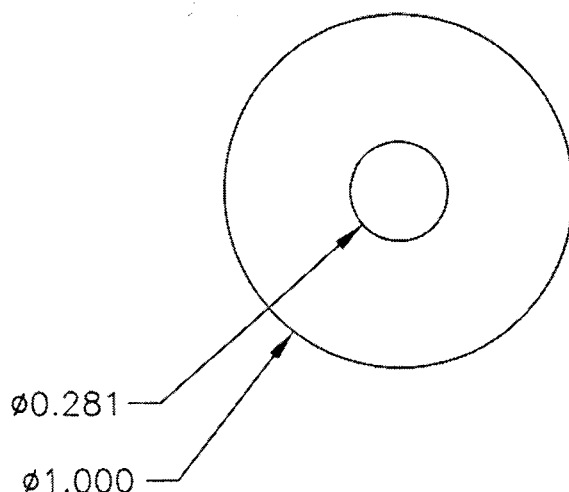
NOTE: Date & initial all entries



DESIGN CP	DRAWN BY CP	DART AEROSPACE USA, INC. PORT HADLOCK, WA	
CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D3456	REV. A SHEET 1 OF 1
DATE 05.09.01		TITLE WASHER	SCALE 2:1
A	05.09.01	NEW ISSUE	

RELEASED
05-09-06 *[Signature]*

SPECIFICATION CONTROL DRAWING



D3456-1 WASHER

- 1) MATERIAL: 316 STAINLESS STEEL, 0.050" THICK
- 2) MAY PURCHASE McMASTER-CARR P/N 91525A120
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 81876
[Signature]

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO16488

Purchase Order Date 3/20/12

PO Print Date 3/21/12

Page Number 3 of 3

Order From :

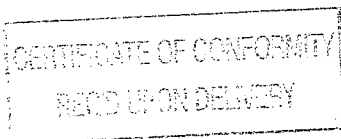
VU-MCM001

MCMaster-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	330 995 5500	Requisition Nbr	
Vendor Fax	330 995 9600	Tax Resale Nbr	10127-2607
Vendor Account Nbr		Terms	Net 30
		Currency	USD
		FOB	Destination-Collect

9	92311A599	SET SCREW	3/22/12 Yes	200.00 Each	FedEx PI collect	\$0.0562	\$11.24
				<i>B 81871</i>			
10	92311A639	SS SET SCREW	3/22/12 Yes	200.00 Each	FedEx PI collect	\$0.5910	\$118.20
				<i>81877</i>	<i>Rec 100</i>		
11	91525A120	washer	3/22/12 Yes	100.00 Each	FedEx PI collect	\$0.2664	\$26.64
12	6605K56	HOOK AND LOOP TIE	3/22/12 Yes	40.00 Each	FedEx PI collect	\$2.7780	\$111.12
13	7566K25	TIE WRAP MOUNT	3/22/12 Yes	100.00 Each	FedEx PI collect	\$0.1362	\$13.62
14	95606A170	Washer	3/22/12 Yes	100.00 Each	FedEx PI collect	\$0.0650	\$6.50

PO Total: \$975.52



Change Nbr: 4

Change Date: 3/21/12

No substitution or deviation without consent.
Certificate of Conformity or Material Certification required when applicable

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO16488

McMaster-Carr Number
2678740-03

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03/20/2012

Line	Description	Ordered	Shipped		LNS A89
5	91290A624 Metric Class 12.9 Socket Head Cap Screw, Alloy Steel, M12 Thread, 45MM Length, 1.75MM Pitch, Packs of 10, 1 Pk = 10 Ea Unit Price: \$6.98 Extended Price: \$20.94	3 Packs	✓ 3	2 - 124	5
6	91290A626 Metric Class 12.9 Socket Head Cap Screw, Alloy Steel, M12 Thread, 50MM Length, 1.75MM Pitch, Packs of 10, 1 Pk = 10 Ea Unit Price: \$7.11 Extended Price: \$21.33	3 Packs	✓ 3	2 - 123	6
8	93827A225 Ultra-Coated Grade 8 Steel Hex Nut, 3/8"-16 Thread Size, 9/16" Width, 21/64" Height, Packs of 100, 1 Pk = 100 Ea Unit Price: \$12.49 Extended Price: \$12.49	1 Pack	✓ 1	2 - 663	8
9	92311A599 Type 18-8 Stainless Steel Cup Point Socket Set Screw, 5/16"-24 Thread, 5/8" Length, Packs of 50, 1 Pk = 50 Ea Unit Price: \$11.24 Extended Price: \$44.96	4 Packs	✓ 4	2 - 696	9
10	92311A639 Type 18-8 Stainless Steel Cup Point Socket Set Screw, 3/8"-24 Thread, 1" Length, Packs of 10, 1 Pk = 10 Ea Unit Price: \$5.91 Extended Price: \$88.65	20 Packs	15	2 - 697	10
11	91525A120 Type 316 Stainless Steel Large-Diameter Flat Washer, 1/4" Screw Size, 1" OD, .04"-.06" Thick, Packs of 25, 1 Pk = 25 Ea Unit Price: \$6.66 Extended Price: \$26.64	4 Packs	✓ 4	2 - 703	11
12	6605K56 Hook and Loop Cable Tie, Black Flame-Retardant Wrap Around, 24" L, 3/4" Width, Packs of 5, 1 Pk = 5 Ea Unit Price: \$13.89 Extended Price: \$111.12	8 Packs	8	3 - 125	12